

### Figure 1

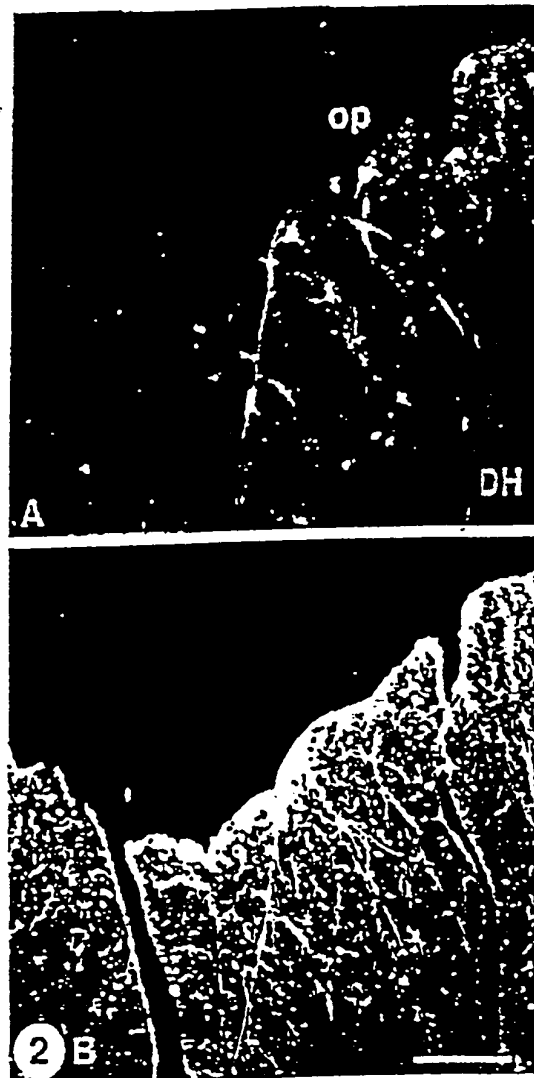


Figure 2

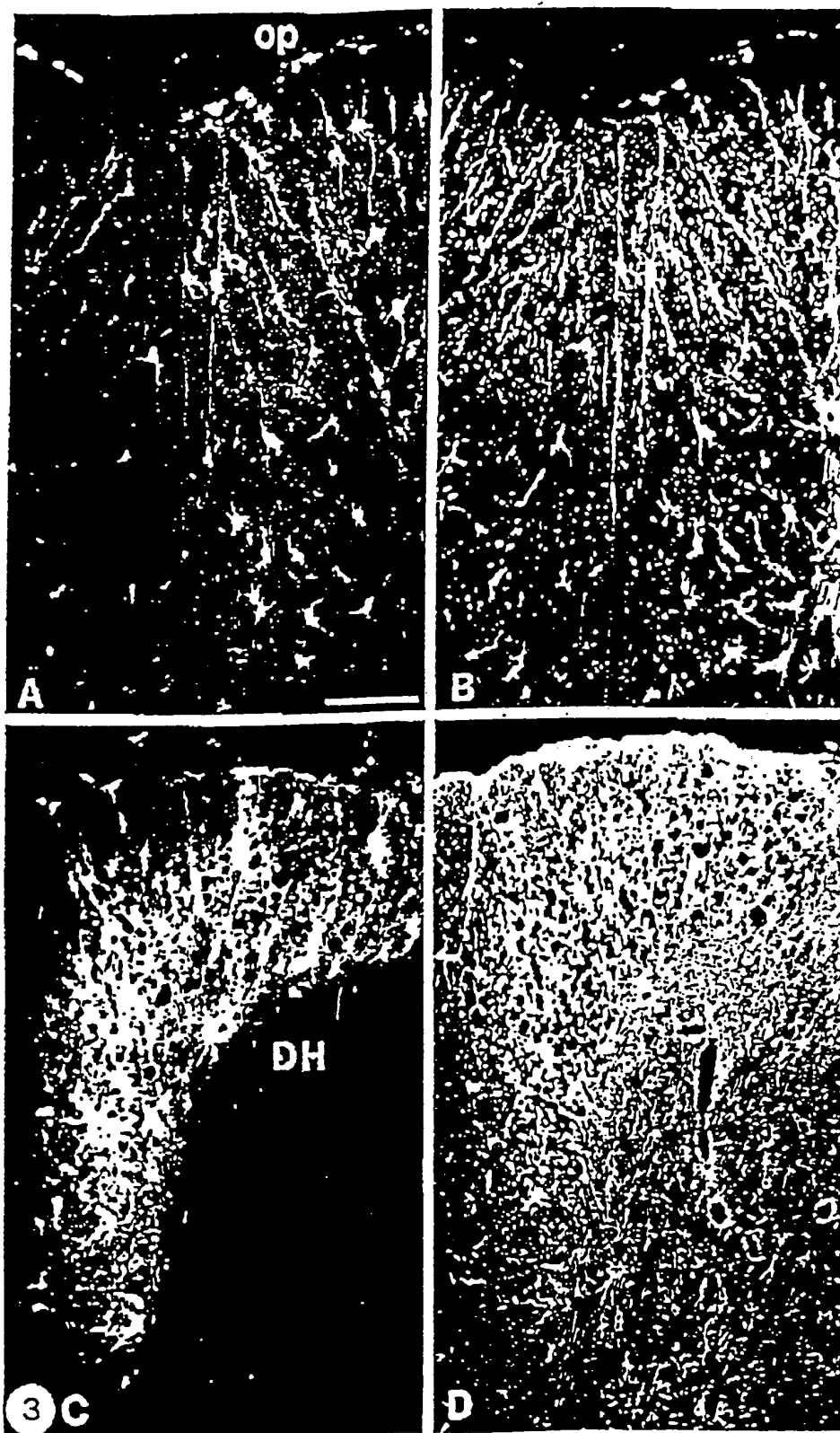


Figure 3

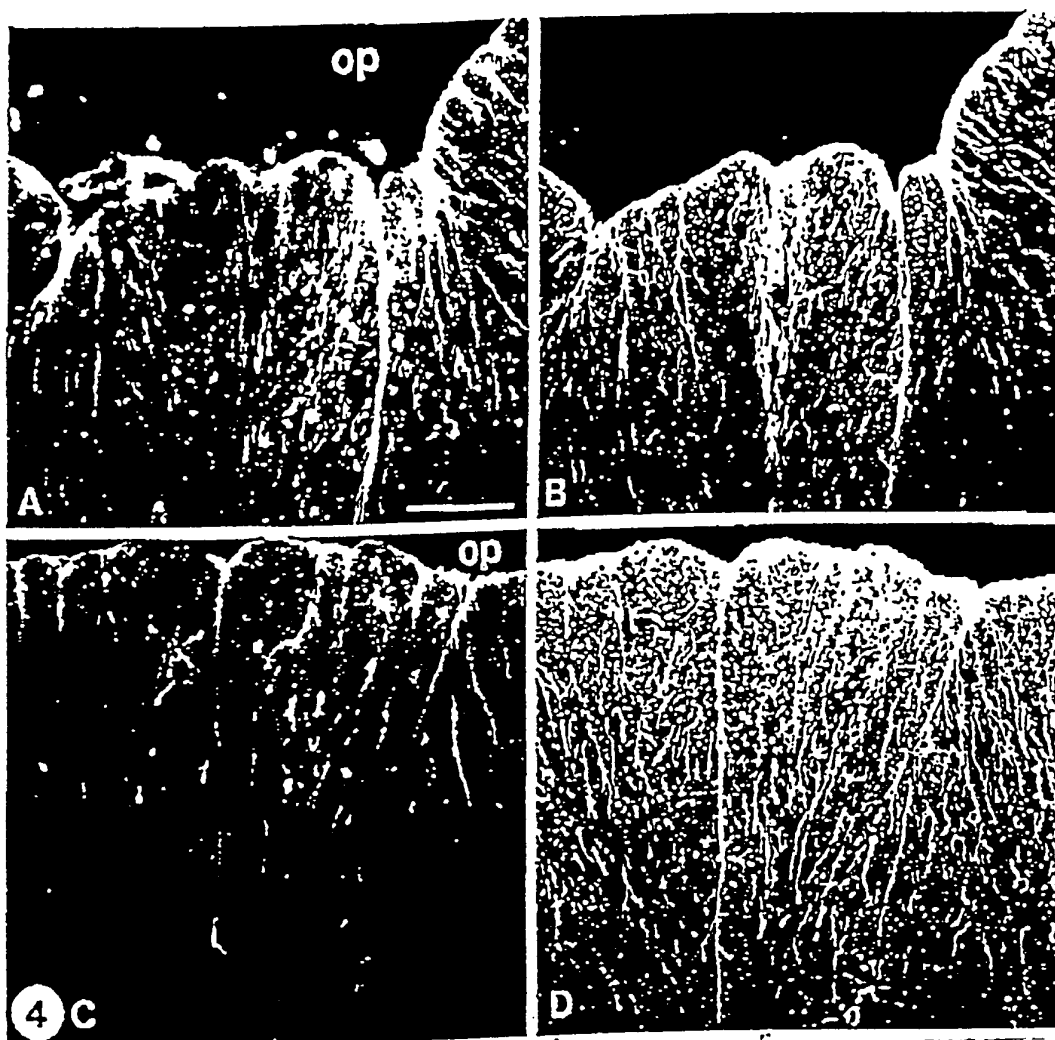


Figure 4

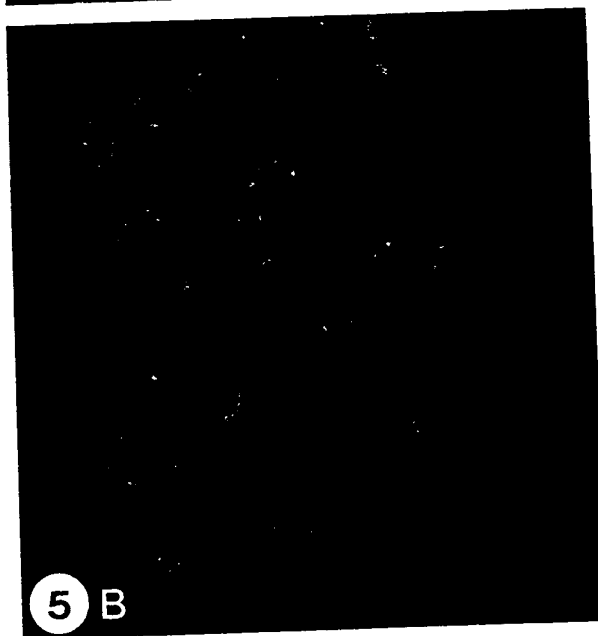
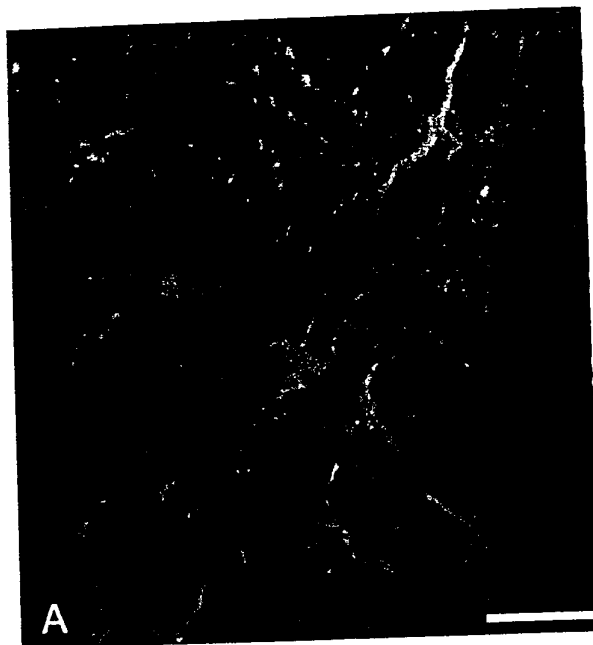


Figure 5

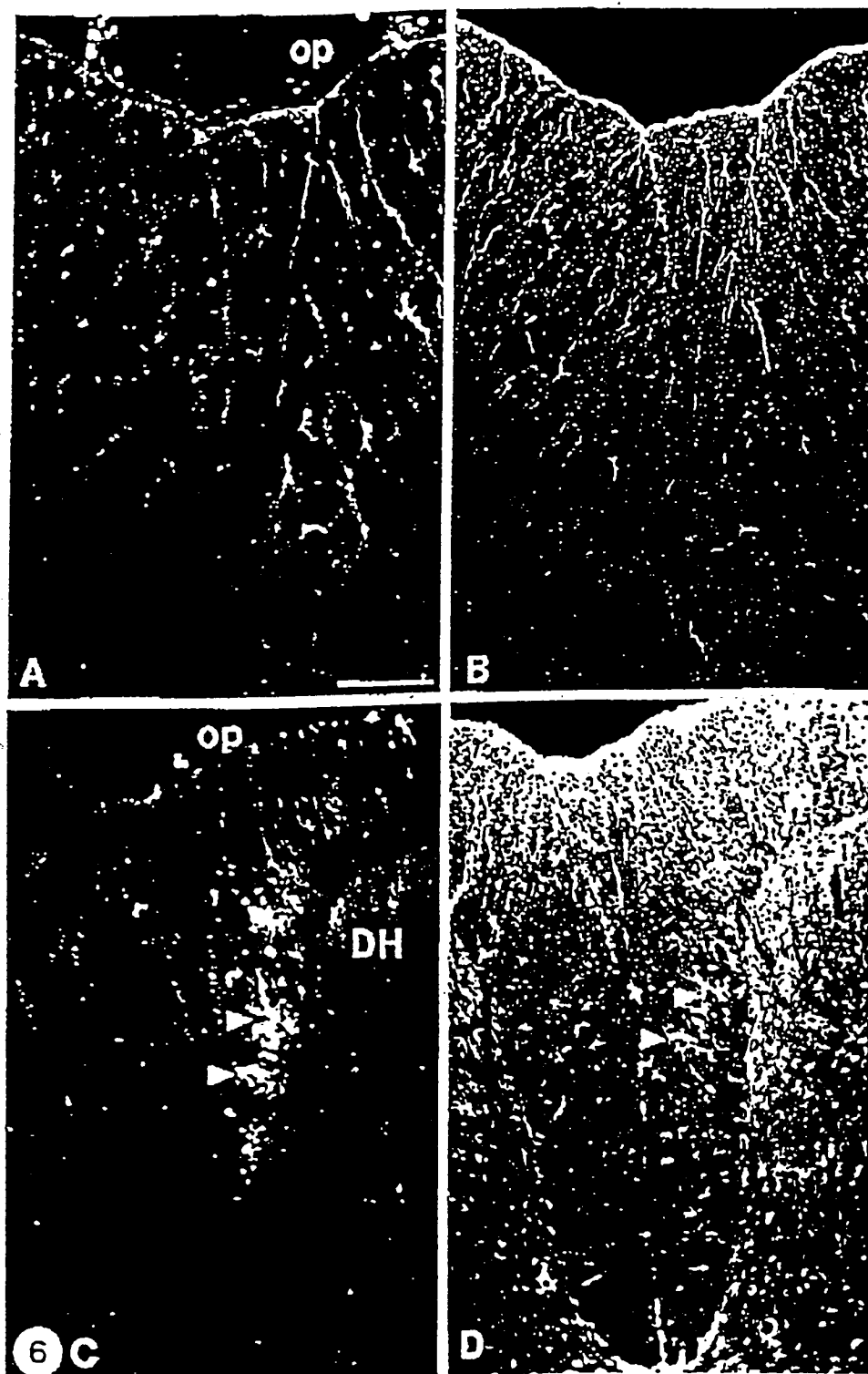


Figure 6

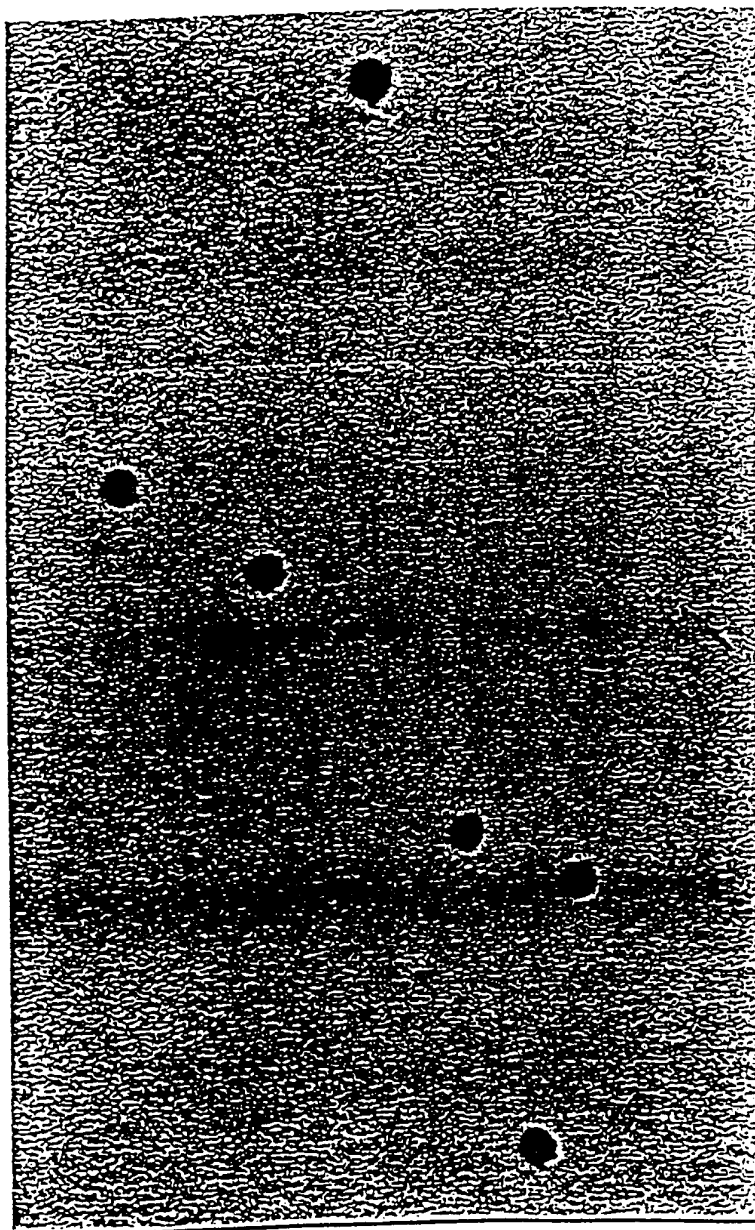


Figure 7A

0001305-01201

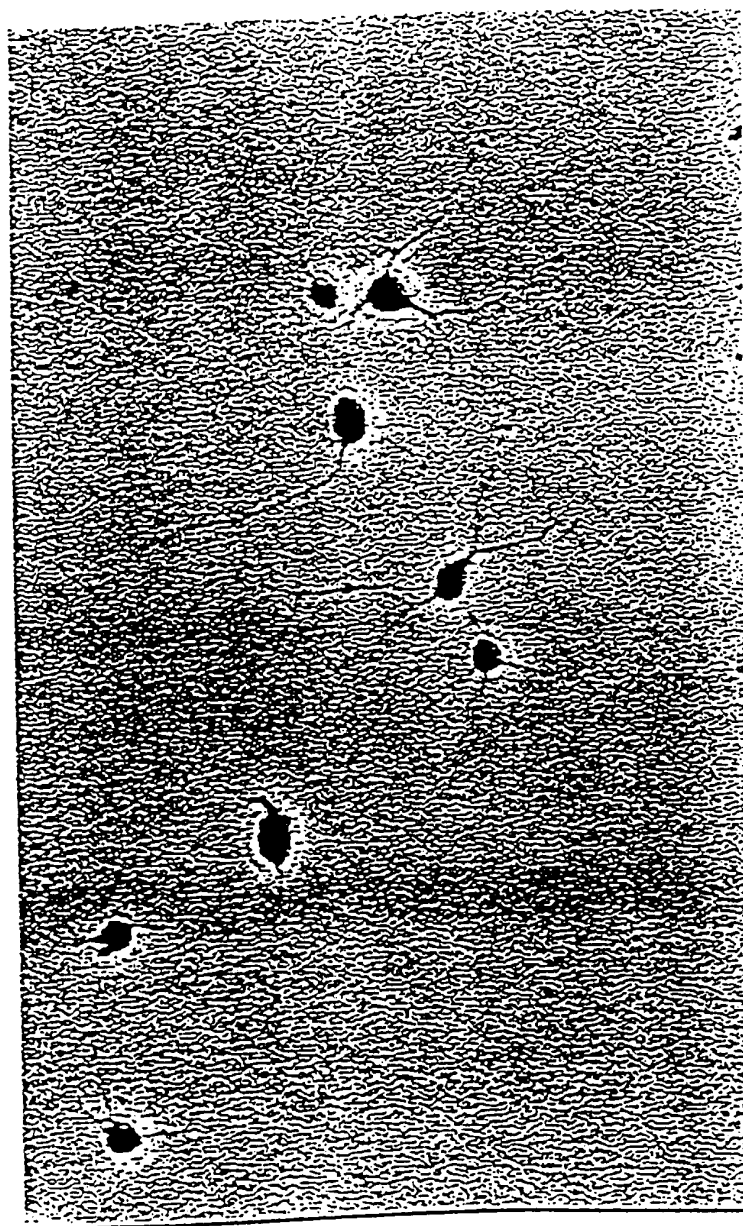


Figure 7B



01751500-1100

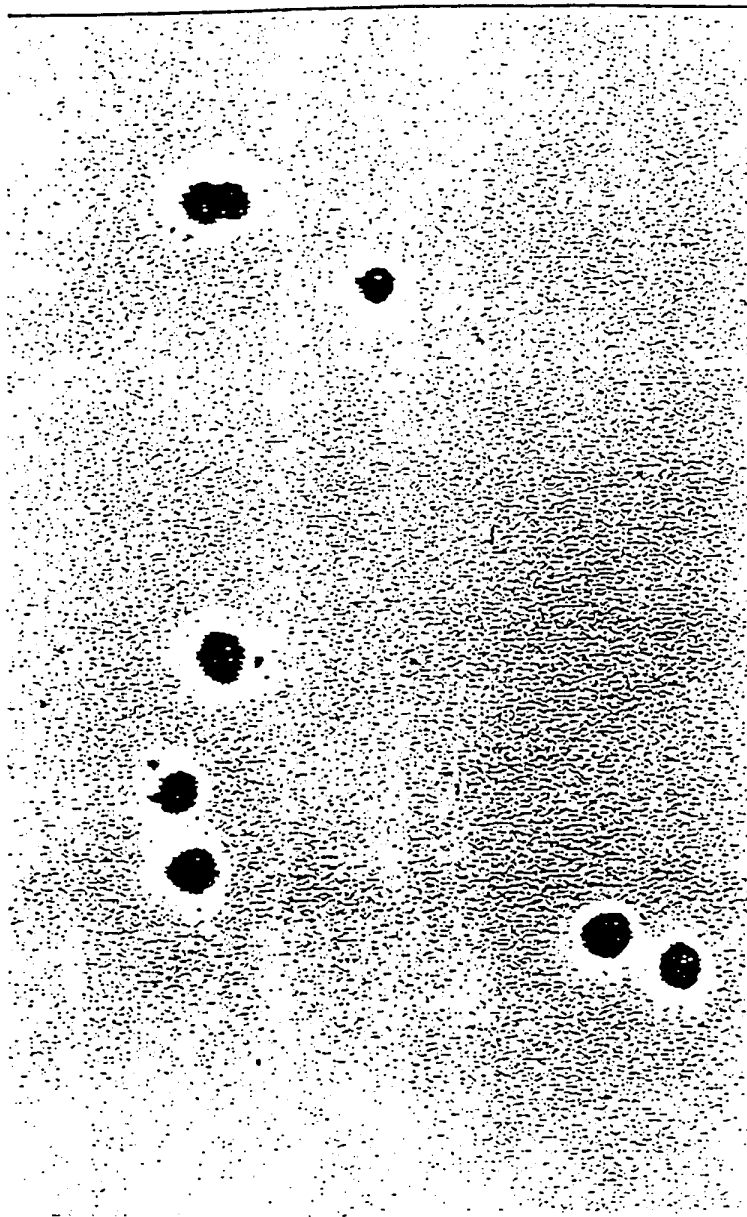


Figure 7C


$$\begin{aligned} \frac{1}{\lambda} \frac{d\lambda}{dt} &= \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{d\tau}{dt} = \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{1}{\gamma} = \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{1}{\sqrt{1 - \beta^2}} \\ &= \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{1}{\sqrt{1 - \beta^2}} = \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{1}{\sqrt{1 - \beta^2}} \\ &= \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{1}{\sqrt{1 - \beta^2}} = \frac{1}{\lambda} \frac{d\lambda}{d\tau} \frac{1}{\sqrt{1 - \beta^2}} \end{aligned}$$

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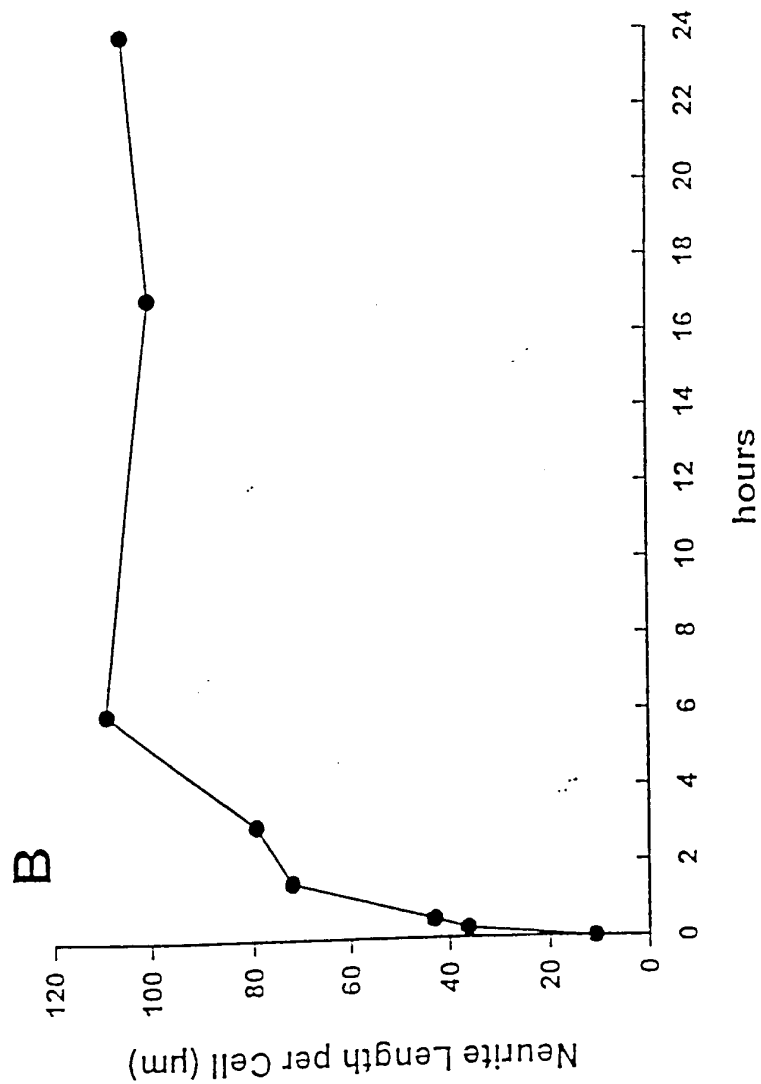


Figure 8B

100120-6057B-40

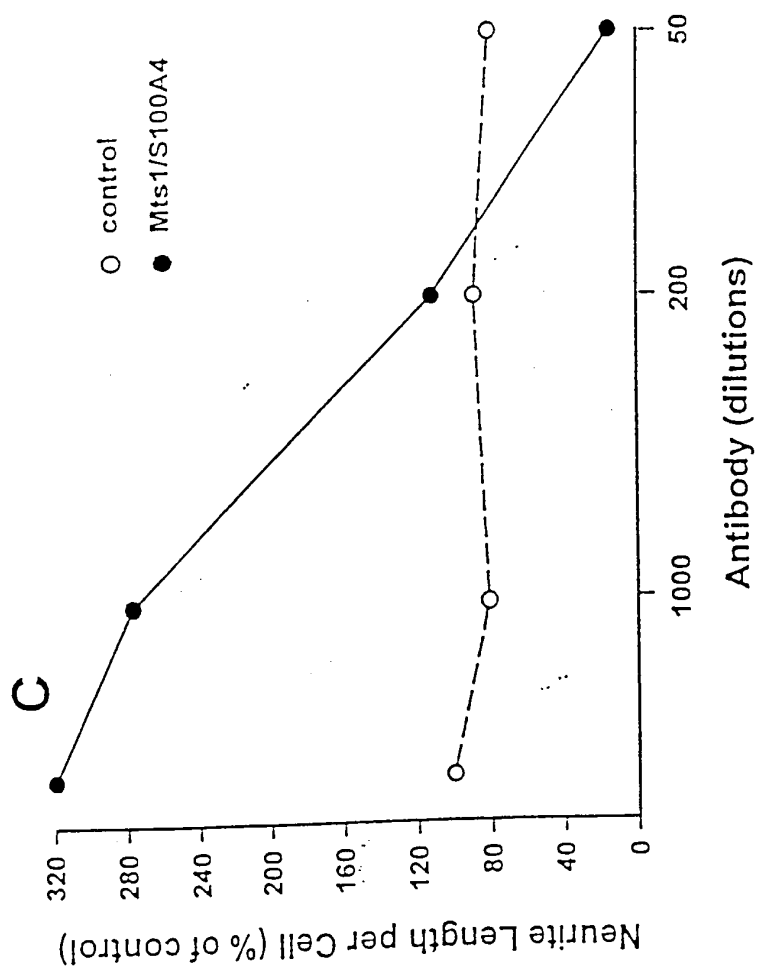


Figure 8C

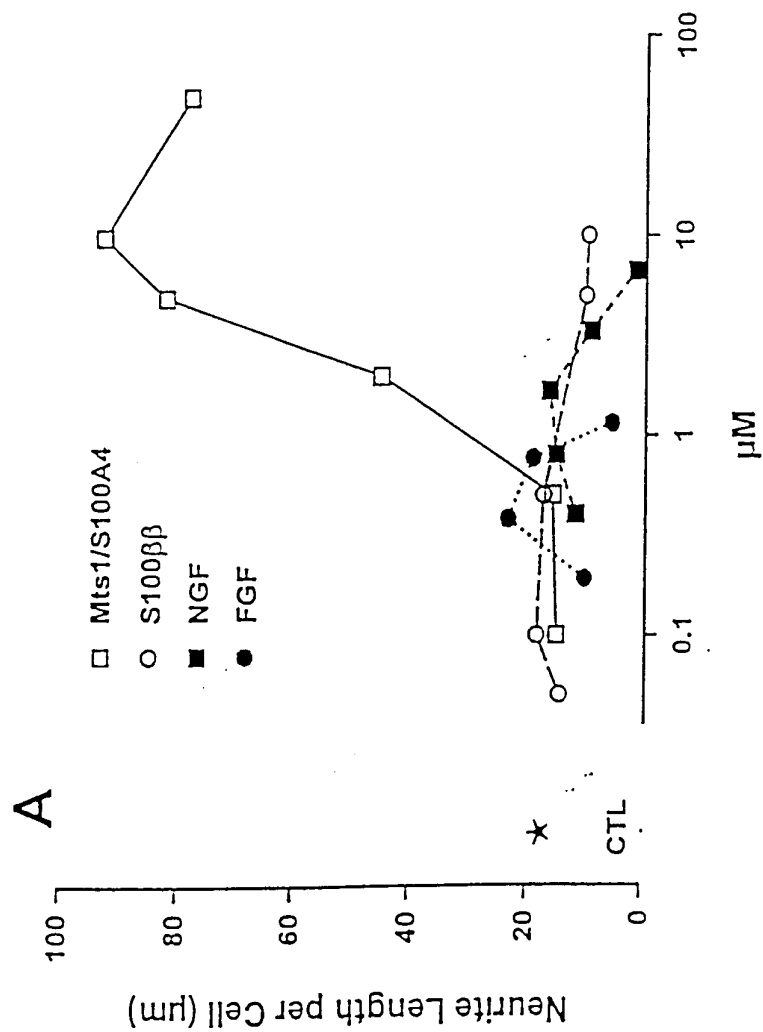


Figure 9A

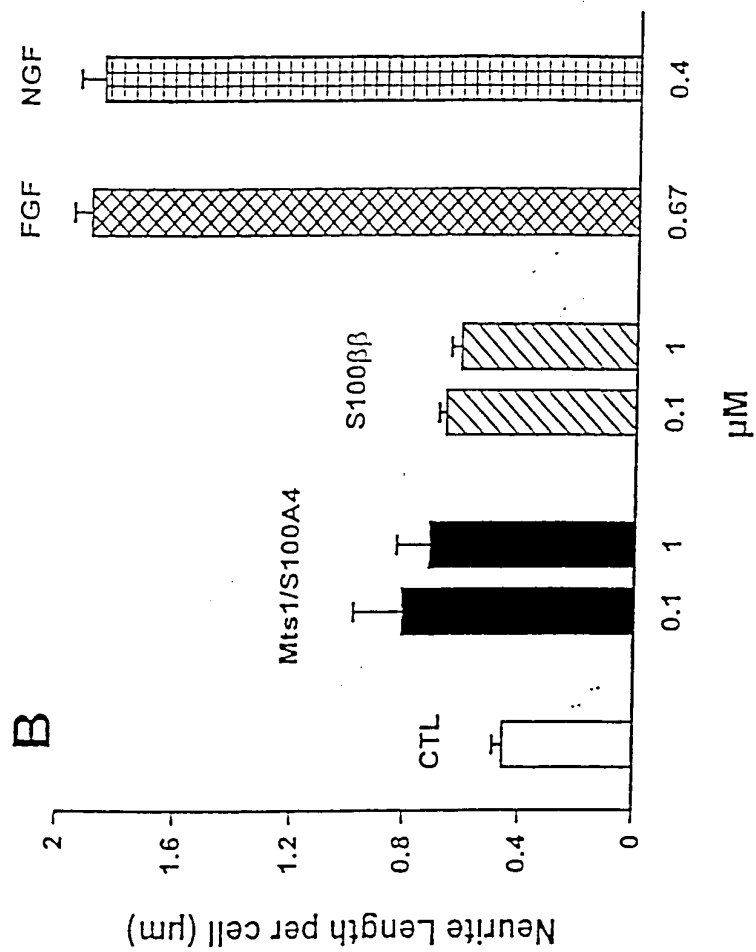
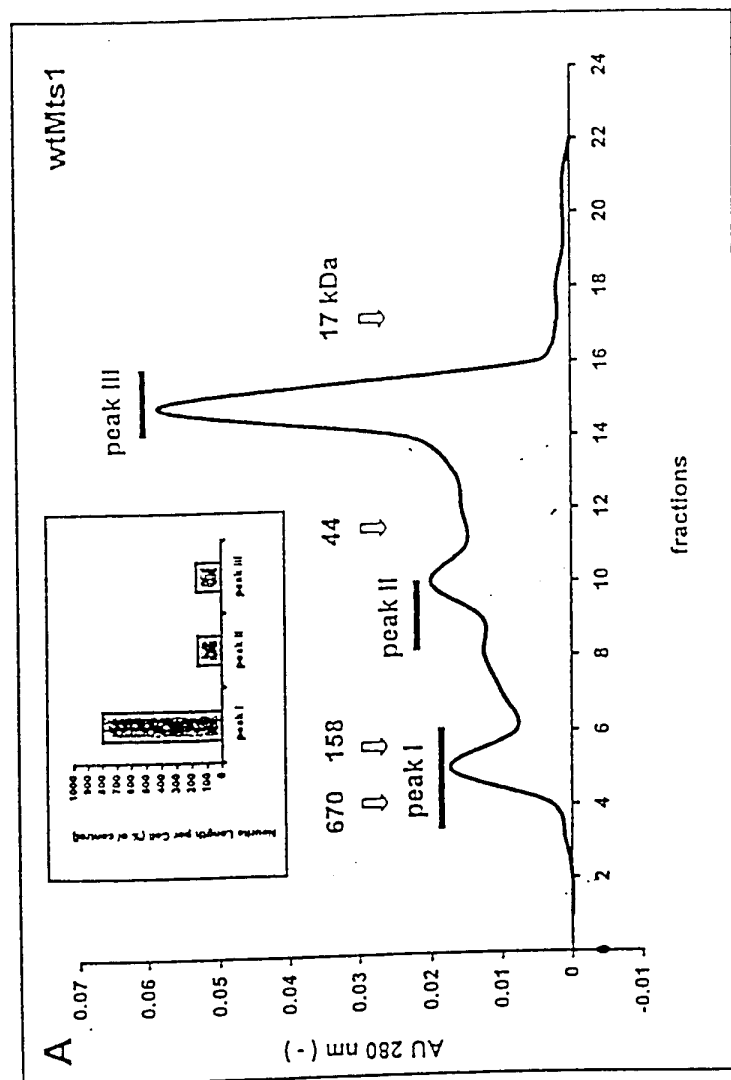


Figure 9B

A bar graph showing the neurite length per cell as a percentage of control for four genotypes: CTL, Mts1/S100A4, Y75F, and 4S. The y-axis is labeled 'Neurite Length per Cell (% of control)' and ranges from 0 to 900. The x-axis lists the genotypes. The CTL bar is white with a height of approximately 100%. The Mts1/S100A4 bar is solid black with a height of approximately 850%. The Y75F bar is hatched with a height of approximately 50%. The 4S bar is cross-hatched with a height of approximately 250%. Error bars are present on all bars.

Genotype	Neurite Length per Cell (% of control)
CTL	~100
Mts1/S100A4	~850
Y75F	~50
4S	~250

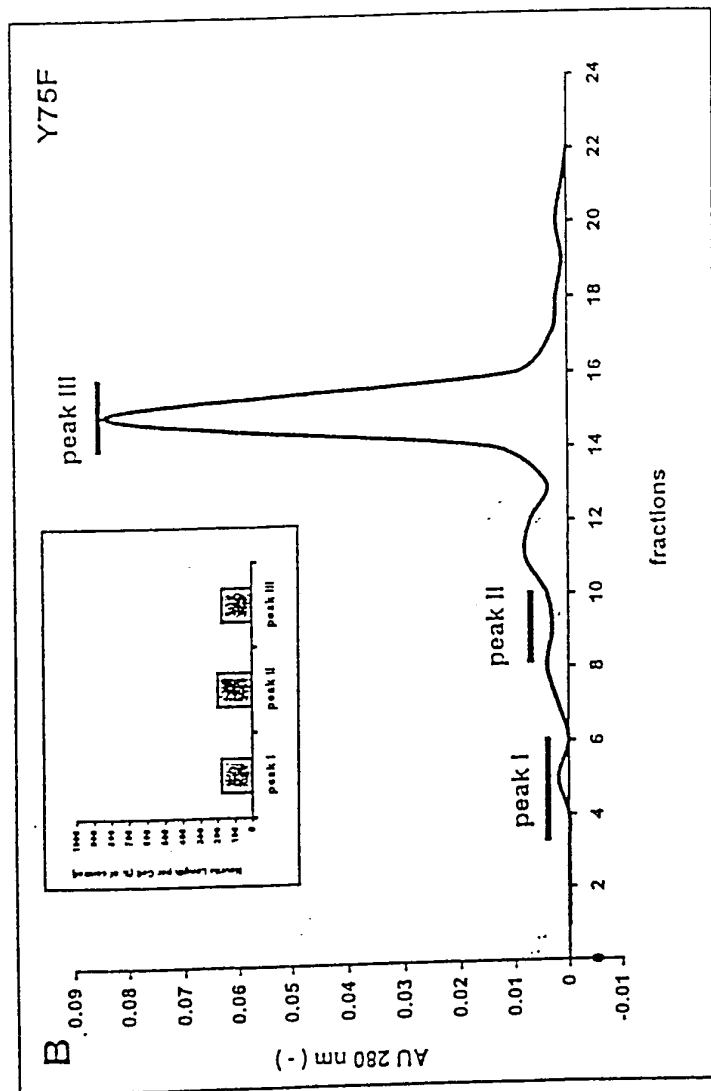
### Figure 10

[illegible]

**Figure 11A**



Figure 11B



de175

peak III

peak II

peak I

fractions

AU 280 nm (-)

kinetic length per C<sub>6</sub>H<sub>5</sub> unit

1000

800

600

400

200

0

peak I

peak II

peak III

**Figure 11C**

**D**